

## ABSTRACT OF THE DISCLOSURE

### CHLAMYDIA PNEUMONIAE GENOME SEQUENCE

50. *C. pneumoniae* genome sequence and analysis of the encoded polypeptides and RNAs are provided. The *C. pneumoniae* gene nucleic acid compositions find use in identifying homologous or related proteins and the DNA sequences encoding such proteins; in producing compositions that modulate the expression or function of the protein; and in studying associated physiological pathways. In addition, modulation of the gene activity *in vivo* is used for prophylactic and therapeutic purposes, such as identification of cell type based on expression, and the like.

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